

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION**

**ORDER NO. 92-67**

**SOUTH ORANGE COUNTY RECLAMATION AUTHORITY,  
ORANGE COUNTY  
CONSOLIDATION OF REQUIREMENTS**

The California Regional Water Quality Control Board, San Diego Region (hereinafter Regional Board), finds that:

1. In August, 1991 the South Orange County Reclamation Authority (SOCRA) was formed to serve eleven water districts and municipalities in south Orange County within Region 9, as shown in Table 1-1.

Table 1-1

**WATER PURVEYING AGENCIES WITHIN SOCRA**

AGENCIES	MEMBERSHIP STA-TUS
Capistrano Beach County Water District	MEMBER
Capistrano Valley Water District	MEMBER
El Toro Water District	MEMBER
Irvine Ranch Water District	ASSOCIATE MEMBER
Laguna Beach County Water District	NON-MEMBER
Los Alisos Water District	MEMBER
Moulton Niguel Water District	MEMBER
City of San Clemente	NON-MEMBER
Santa Margarita Water District	MEMBER
South Coast Water District	MEMBER
Trabuco Canyon Water District	MEMBER

SOCRA was formed, with the support of the San Diego RWQCB, to promote the beneficial use of discharged wastewater through reclamation in south Orange County. SOCRA's goals and objectives, as stated in San Diego RWQCB Resolution 91-76, **A Resolution Supporting the Formation of a Water Reclamation Joint Powers Authority in South Orange County**, include the following:

- Act as a single agency responsible for compliance with one set of standard Waste Discharge Requirements within the Aliso Water Management Agency and South East Regional Reclamation Authority basins.

- Develop a structure between the San Diego RWQCB and SOCRA that provides for the eventual participation of all reclaimed water purveyors in Region 9-south Orange County.
- Develop standard Water Reclamation Requirements for SOCRA, its Member Agencies, and end users incorporating minimum standard regulations for the delivery and use of reclaimed water, reclaimed water quality specifications, plan review and construction inspection procedures, user permit requirements, operational certification requirements, and distribution agreements.
- Provide monitoring and periodic inspections of the activities of SOCRA, its member agencies, and end users with reports to the San Diego RWQCB on the status of compliance with San Diego RWQCB mandated standards.
- Encourage the regional planning and design of reclamation facilities so as to maximize cost economies and the availability of reclaimed water supply to users at all times during the year.

In the interest of greatest regional benefit, SOCRA has proposed increased reclaimed water production and use considerations, as well as administrative efficiencies, for all agencies within the SOCRA service area. Accordingly, this Order consolidates into one document the waste discharge requirements of the member agencies of SOCRA.

2. The sanitation agencies shown in Table 1-2 are responsible for the collection, treatment, and/or disposal of sewage within SOCRA.

Table 1-2

**SANITATION AGENCIES WITHIN SOCRA**

<b>AGENCIES</b>
Capistrano Beach Sanitation District
Dana Point Sanitation District
El Toro Water District
Emerald Bay Service District
Irvine Ranch Water District
City of Laguna Beach
Los Alisos Water District
Moulton Niguel Water District
City of San Clemente
City of San Juan Capistrano
Santa Margarita Water District
South Coast Water District
Trabuco Canyon Water District

3. The Aliso Water Management Agency is a joint powers authority formed to operate regional sewage treatment and disposal facilities, including an ocean outfall, on behalf of its member agencies within the Aliso watershed. Table 1-3 lists the AWMA member agencies.

Table 1-3

**ALISO WATER MANAGEMENT AGENCY MEMBERS**

<b>AGENCIES</b>
El Toro Water District
Emerald Bay Service District
Irvine Ranch Water District
City of Laguna Beach
Los Alisos Water District
Moulton Niguel Water District
South Coast Water District

4. The South East Regional Reclamation Authority is a joint powers authority formed to operate regional sewage treatment and disposal facilities, including an

ocean outfall, for the benefit of its member agencies, as shown in Table 1-4. SERRA encompasses that area of south Orange County north of the Orange/San Diego county boundary and south of the AWMA jurisdiction.

Table 1-4

SOUTH EAST REGIONAL RECLAMATION AUTHORITY MEMBERS

AGENCIES
Capistrano Beach Sanitation District Dana Point Sanitation District Moulton Niguel Water District City of San Clemente City of San Juan Capistrano Santa Margarita Water District

5. The San Diego Regional Water Quality Control Board has issued requirements concerning the discharge of wastewater and use of reclaimed water (capacity satisfying Title 22) within the South Orange County Reclamation Authority (SOCRA) region. Several agencies within both Regions 8 (Santa Ana River Basin) and 9 (San Diego) have received requirements from one or both regional boards. These requirements regulate the quality, quantity, and location of reclaimed water production and discharge. Table 1-5 lists these by agency and facility, with current permitted discharge, current actual production, and proposed future discharge, all totaled over the SOCRA service area.
6. Table 1-6 indicates the current permitted and actual reclaimed water used, as well as the future proposed volume of use, for each agency within SOCRA, by hydrologic subunit. Table 1-7 indicates the same data for each hydrologic subunit within SOCRA by agency.

Table 1-5

EXISTING AND PROPOSED RECLAIMED WATER PRODUCTION  
FOR SOCRA SERVICE AREA

AGENCY	FACILITY	SOCRA SERVICE AREA TITLE 22 CAPACITY <sup>F, J</sup>			
		EXISTING ORDER	CURRENT PERMITTED WASTE DISCHARGE (MGD)	CURRENT PRODUCTION (MGD) <sup>K</sup>	PROPOSED WASTE DISCHARGE (MGD)
CBSD	CBSD WPCF	NONE	0.00	0.00	2.80 <sup>G, H</sup>
DPSD	SERRA WPCF	NONE	0.00	0.00	2.50 <sup>G</sup>
ETWD	El Toro AWT	85-148 <sup>A</sup>	0.00 <sup>E</sup>	0.45 <sup>B, D</sup>	2.60 <sup>B, C, D, E</sup>
IRWD	Michelson WRP	NONE	0.00	0.00	0.00
LAWD	Los Alisos AWT	85-26/86-06 <sup>A</sup>	5.50 <sup>B</sup>	1.25 <sup>B</sup>	5.50 <sup>B, C</sup>
MNWD	SERRA WPCF	NONE	0.00	0.00	0.00
	Laguna Niguel RP	87-31	2.40	0.24	4.80
	Plant 3A WRP	91-72	2.40	0.24	4.80
	AWMA Coastal WRP	NONE	0.00	0.00	9.00
CSC	San Clemente WRP	91-50	2.20	0.79	4.40 <sup>H</sup>
CSJC	SERRA WPCF	NONE	0.00	0.00	4.50 <sup>G, I</sup>
SMWD	SERRA WPCF	NONE	0.00	0.00	0.00
	Chiquita WRP	91-59	1.63	1.63	7.50
	Plant 3A WRP	NONE	0.00	0.00	1.50
	Oso Creek WRP	87-19	3.00	2.24	3.00
	Nichols Institute	91-96	0.04	0.02	0.08
SCWD	SCWD WRP	87-43	2.61	0.77	4.60 <sup>H</sup>
TCWD	Robinson Ranch WRP	87-44	0.25	0.40	1.10
SOCRA	All of the Above	NONE	20.03	8.03	58.68

Footnotes:

- A Order adopted by RWQCB, Santa Ana Region (Region 8).
- B Santa Ana Region (Region 8).
- C San Diego Region (Region 9).
- D Secondary disinfected effluent.
- E Tertiary disinfected effluent.
- F Tertiary disinfected effluent unless otherwise noted; produced in and for Region 9 unless otherwise noted.
- G May be part of a general SERRA allocation.
- H May involve CBCWD.
- I May involve CVWD.
- J Capacities expressed as 30-day average.
- K 1991 values.

Table 1-6

EXISTING AND PROPOSED RECLAIMED WATER USE  
BY AGENCY  
FOR SOCRA SERVICE AREA

AGENCY	HYDROLOGIC SUBUNIT	EXISTING ORDER	CURRENT PERMITTED VOLUME OF USE (AC-FT/YR)	CURRENT VOLUME OF USE (AC-FT/YR) <sup>A</sup>	PROPOSED VOLUME OF USE (AC-FT/YR)
CBCWD <sup>C</sup>	1.14	NONE	0	0	7
	1.20	" "	0	0	786
	1.30	" "	0	0	107
CVWD <sup>C</sup>	1.20	NONE	0	0	1,647
	1.30	" "	0	0	183
ETWD	Region 8	85-148 <sup>B</sup>	0 <sup>E</sup>	335 <sup>G</sup>	2,022
	1.12	NONE	0	0	180
	1.13	" "	0	0	674
	1.20	" "	0	0	44
IRWD	1.11	NONE	0	0	0
	1.12	" "	0	0	0
LBCWD	1.11	NONE	0	0	0
	1.12	" "	0	0	0
LAWD	Region 8	85-26/86-06 <sup>B</sup>	6,160	2,093	4,107
	1.13		0	0	2,053
MNWD	1.12	NONE	0	0	176
	1.13	87-31	2,690		3,636
	1.14	87-31	<sup>F</sup>	270	1,776
	1.20	91-72	2,690	270	2,680
CSC	1.30	91-50	2,460	622	2,800
	1.40	91-50	<sup>F</sup>	265	800
SMWD <sup>D</sup>	1.13	87-19	440	400	490
	1.20	91-59/87-19/91-96	4,701	3,864	13,160
	1.30	91-59	84	84	800
	1.40	NONE	0	0	100
SCWD	1.12	NONE	0	0	146
	1.13	87-43	2,920	0	277
	1.14	87-43	<sup>F</sup>	859	2,497
TCWD	1.13	NONE	0	0	200
	1.20	87-44	283	387	1,032
SOCRA	All of the Above	NONE	22,428	9,449	42,380

A 1991 Values.

B Order adopted by RWQCB, Santa Ana Region (8).

C Ref: SERRA Market Assessment 3/91

D Ref: SMWD STEP 1 Water Reclamation Facilities Planning Study 3/83

E Tertiary disinfected effluent.

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- F Included in above number.
- G Secondary disinfected effluent.

Table 1-7

EXISTING AND PROPOSED RECLAIMED WATER USE  
BY HYDROLOGIC SUBUNIT FOR SOCRA SERVICE AREA

HYDROLOGIC SUBUNIT	AGENCY	EXISTING ORDER	CURRENT PERMITTED VOLUME OF USE (AC-FT/YR)	CURRENT VOLUME OF USE (AC-FT/YR) <sup>A</sup>	PROPOSED VOLUME OF USE (AC-FT/YR)
Region 8	ETWD LAWD	85-148 <sup>B</sup> 85-26/86-06 <sup>B</sup>	0 <sup>E</sup> 6,160	335 <sup>G</sup> 2,093	2,022 4,107
1.11	IRWD LBCWD	NONE " "	0 0	0 0	0 0
1.12	ETWD IRWD LBCWD MNWD SCWD	NONE " " " " " " " "	0 0 0 0 0	0 0 0 0 0	180 0 0 176 146
1.13	ETWD LAWD MNWD SMWD <sup>D</sup> SCWD TCWD	NONE NONE 87-31 87-19 87-43 NONE	0 0 2,690 440 2,920 0	0 0 400 0 0	674 2,053 3,636 490 277 200
1.14	CBCWD <sup>C</sup> MNWD SCWD	NONE 87-31 87-43	0 <sup>F</sup> <sup>F</sup>	0 270 859	7 1,776 2,497
1.20	CBCWD <sup>C</sup> CVWD <sup>C</sup> ETWD MNWD SMWD <sup>D</sup> TCWD	NONE " " " " 91-72 91-59/87-19/91-96 87-44	0 0 0 2,690 4,701 283	0 0 0 270 3,864 387	786 1,647 44 2,680 13,160 1,032
1.30	CBCWD <sup>C</sup> CVWD <sup>C</sup> CSC SMWD <sup>D</sup>	NONE " " 91-50 91-59	0 0 2,460 84	0 0 622 84	107 183 2,800 800
1.40	CSC SMWD <sup>D</sup>	91-50 NONE	<sup>F</sup> 0	265 0	800 100
SOCRA	All of the Above	NONE	22,428	9,449	42,380

A 1991 Values.

B Order adopted by RWQCB, Santa Ana Region (8).

C Ref: SERRA Market Assessment 3/91

D Ref: SMWD STEP 1 Water Reclamation Facilities Planning Study 3/83

E Tertiary disinfected effluent.

F Included in other listed volumes. (See Table 1-6.)

G Secondary disinfected effluent.



7. Definitions:

AWMA - Aliso Water Management Agency

CCR - California Code of Regulations

CEQA - California Environmental Quality Act

CBCWD - Capistrano Beach County Water District

Common Facilities - Reclaimed water distribution facilities connected with more than one distributor.

CSJC - City of San Juan Capistrano

CVWD - Capistrano Valley Water District

CSC - City of San Clemente

Distributor - An agency which supplies reclaimed water to a User

ETWD - El Toro Water District

Executive Officer - Executive Officer of the California Regional Water Quality Control Board, San Diego Region

IRWD - Irvine Ranch Water District

LBCWD - Laguna Beach County Water District

LAWD - Los Alisos Water District

MNWD - Moulton Niguel Water District

Primary User - Any person, group, firm, partnership, corporation, association, agency, business, or organization producing reclaimed water for its own use or receiving reclaimed water directly from a producer and thereafter either distributing the water to others or applying it to a beneficial use. (There may be more than one primary user for any single producer.)

Producer - Any person, agency, business, or organization treating wastewater so that it is suitable for direct beneficial use or controlled use that would not otherwise occur and allowing such uses to occur.

Reclaimed Water - Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur (Water Code Section 13050(n)).

Reclamation Requirements - Requirements issued by a Regional Water Board to regulate the producer, distributor, and/or user of reclaimed water.

RWQCB - Regional Water Quality Control Board

SAMCWD - Santa Ana Mountains County Water District (now called Trabuco Canyon Water District)

SMWD - Santa Margarita Water District

Secondary User - Any person receiving reclaimed water directly from a primary user.

SCWD - South Coast Water District

SERRA - South East Regional Reclamation Authority

SOCRA - South Orange County Reclamation Authority

State Board - State Water Resources Control Board

SWRCB - State Water Resources Control Board

TDS - Total Dissolved Solids

TCWD - Trabuco Canyon Water District (formerly called Santa Ana Mountains County Water District)

WDR - Waste Discharge Requirements

WRR - Water Reclamation Requirements

8. Under California Water Code Section 13263 the San Diego RWQCB shall prescribe waste discharge requirements for any discharge of waste within the region which could affect water quality in the region. Waste discharge requirements must ensure compliance with applicable water quality control plans and prevent pollution, contamination, and nuisance. Under Water Code Section 13523 the San Diego RWQCB must, if necessary to protect the 'public health, safety and welfare, prescribe water reclamation requirements for water which is used or proposed to be used as reclaimed water. The joint powers agreement

creating SOCRA authorizes SOCRA to receive a single order, on behalf of its member agencies, containing both waste discharge requirements and water reclamation requirements governing the production, distribution, use, and discharge of reclaimed water within the SOCRA jurisdictional area.

9. The State Department of Health Services (DOHS) and the County of Orange, Health Care Agency, Environmental Health, Water Quality Section advise the San Diego RWQCB prior to the permitting or the implementation of water reclamation projects within the SOCRA jurisdictional area.
10. The Comprehensive Water Quality Control Plan Report (Basin Plan) for the San Diego Region (9) published in 1975 and amended thereafter regulates the activities and factors which affect or may affect the quality of the waters in the region. The Basin Plan attempts to attain the highest water quality which is reasonable considering the beneficial uses involved and all demands being made, and to be made, on those waters.

Within the SOCRA jurisdiction there is one hydrologic unit designated by the San Diego RWQCB, the San Juan Hydrologic Unit. This hydrologic unit is composed of four hydrologic areas (HA): 1.10 Laguna HA, 1.20 Mission Viejo HA, 1.30 San Clemente HA, and 1.40 San Mateo Canyon HA. The Laguna HA consists of four hydrologic subareas (HSAs): 1.11 San Joaquin Hills HSA, 1.12 Laguna Beach HSA, 1.13 Aliso HSA, and 1.14 Dana Point HSA. The Basin Plan contains designated beneficial uses and water quality objectives to protect those uses for each hydrologic unit, area, or subarea.

Tables 1-8 and 1-9 show the various hydrologic areas within SOCRA and their designated beneficial uses for ground and surface waters, respectively.

Table 1-8

EXISTING AND POTENTIAL BENEFICIAL USES OF GROUND WATERS

HYDROLOGIC AREAS AND SUBAREAS		FOOTNOTES	M U N	A G R	I N D	P R O C	G W R	R E C I
1.10	Laguna HA							
1.11	San Joaquin Hills HSA	A	•	•				
1.12	Laguna Beach HSA	A	•	•				
1.13	Aliso HSA	A	o					
1.14	Dana Point HSA	A						
1.20	Mission Viejo HA	B	•	•	•			
1.30	San Clemente HA	C	•	•				
		D						
1.40	San Mateo Canyon HA	C	•	•	•			

HA = Hydrologic Area  
HSA = Hydrologic Subarea

Definitions:

- = Existing Beneficial Use per the Comprehensive Water Quality Control Plan 1978 Amendments Report
- o = Potential Beneficial Use per the Comprehensive Water Quality Control Plan 1978 Amendments Report

Footnotes:

- A The beneficial uses do not apply to HSA 1.13 on the coastal side of Interstate Highway 5, to all of HSA 1.14, and to all lands on the coastal side of the inland boundary of the right-of-way of Pacific Coast Highway 1. The beneficial uses for the remainder of HA 1.10 are as shown.
- B The beneficial uses do not apply to all lands on the coastal side of the inland boundary of the right-of-way of Pacific Coast Highway 1 west of the San Juan Creek channel. The beneficial uses for the remainder of HA 1.20 are as shown.
- C These beneficial uses do not apply westerly of the easterly boundary of the right-of-way of Interstate Highway 5. The beneficial uses for the remainder of the hydrologic area are as shown.
- D These beneficial use designations apply to the Segunda Deshecha Cañada drainage area of the San Clemente Hydrologic Area 1.30.

Table 1-9

EXISTING AND POTENTIAL BENEFICIAL USES OF INLAND SURFACE WATERS

HYDROLOGIC AREAS AND SUBAREAS	BENEFICIAL USE																			
	M U N	A G R	I N D	P R O C	G W R	F R S H	N A V	P O W	R E C I	R E C 2	C O M M	W A R M	C O L D	S A L	W I L D	R A R E	M A R	M I G R	S P W N	S H E L
1.10 Laguna HA		•								•		•			•	•				
1.20 San Juan HA		•	•						•	•		•	•		•	•				
1.30 San Clemente HA		•								•					•	•				
1.40 San Mateo HA										•		•			•	•				

HA = Hydrologic Area

Definitions:

- = Existing Beneficial Use per the Comprehensive Water Quality Control Plan 1978 Amendments Report

Water quality objectives for ground and surface waters are shown in Tables 1-10 and 1-11, respectively.

Table 1-10

WATER QUALITY OBJECTIVES FOR GROUNDWATER

(Concentrations not to be exceeded more than 10% of the time during any one year period)														
(mg/L or as noted)														
HYDROLOGIC AREAS AND SUBAREAS	FOOT- NOTE	TDS	CL	SO <sub>4</sub>	% Na	N 0 3	Fe	Mn	M B A S	B	O D O R	TURB NTU	COLOR UNITS	F
1.10 Laguna HA														
1.11 San Joaquin Hills HSA	A	1000	400	500	60	10	0.3	0.05	0.5	0.5	NONE	5	15	1.0
1.12 Laguna Beach HSA	A	1000	400	500	60	10	0.3	0.05	0.5	0.5	NONE	5	15	1.0
1.13 Aliso HSA	B	3500	800	900	60	45	0.3	0.05	0.5	3.0	NONE	5	15	1.0
1.14 Dana Point HSA	F	1000	400	500	60	10	0.3	0.05	0.5	0.5	NONE	5	15	1.0
1.20 Mission Viejo HA	C	500	250	250	60	45	0.3	0.05	0.5	0.5	NONE	5	15	1.0
1.30 San Clemente HA	D,E	500	250	250	60	10	0.3	0.05	0.5	0.5	NONE	5	15	1.0
1.40 San Mateo Canyon HA	D	500	250	250	60	10	0.3	0.05	0.5	0.5	NONE	5	15	1.0

HA = Hydrologic Area  
HSA = Hydrologic Subarea

Source:

Quality objectives per the Comprehensive Water Quality Control Plan 1978 Amendments Report, and Resolution No. 81-16 amendment to the Aliso HSA values.

Footnotes:

- A The water quality objectives do not apply to all lands on the coastal side of the inland boundary of the right-of-way of Pacific Coast Highway. The objectives for the remainder of the hydrologic subarea are as shown.
- B The water quality objectives do not apply to Hydrologic Subarea 1.13 on the coastal side of Interstate Highway 5. The objectives for the remainder of hydrologic subarea are as shown.
- C The water quality objectives do not apply to all lands on the coastal side of the inland boundary of the right-of-way of Pacific Coast Highway, west of the San Juan Creek channel. The objectives for the remainder of the hydrologic area are as shown.
- D The water quality objectives do not apply westerly of the easterly boundary of Interstate Highway 5. The objectives for the remainder of the hydrologic area (subarea) are as shown.
- E The water quality objectives do not apply to the Segunda Deshecha Cañada drainage area of the San Clemente HA 1.30, per Resolution 90-28.
- F The water quality objectives do not apply to all lands in this hydrologic subarea.

Table 1-11

WATER QUALITY OBJECTIVES FOR INLAND SURFACE WATERS

(Concentrations not to be exceeded more than 10% of the time during any one year period)													
(mg/L or as noted)													
HYDROLOGIC AREAS AND SUBAREAS	TDS	CL	SO <sub>4</sub>	% Na	N & P	Fe	Mn	M B A S	B	O D O R	TURB NTU	COLOR UNITS	F
1.10 Laguna HA													
1.11 San Joaquin Hills HSA	1000	400	500	60	A	0.3	0.05	0.5	0.5	NONE	20	20	1.0
1.12 Laguna Beach HSA	1000	400	500	60	A	0.3	0.05	0.5	0.5	NONE	20	20	1.0
1.13 Aliso HSA	1000	400	500	60	A	0.3	0.05	0.5	0.5	NONE	20	20	1.0
1.14 Dana Point HSA	1000	400	500	60	A	0.3	0.05	0.5	0.5	NONE	20	20	1.0
1.20 Mission Viejo HA	500	250	250	60	A	0.3	0.05	0.5	0.5	NONE	20	20	1.0
1.30 San Clemente HA	500	250	250	60	A	0.3	0.05	0.5	0.5	NONE	20	20	1.0
1.40 San Mateo Canyon HA	500	250	250	60	A	0.3	0.05	0.5	0.5	NONE	20	20	1.0

HA = Hydrologic Area  
HSA = Hydrologic Subarea

Source:

Quality objectives per the Comprehensive Water Quality Control Plan 1978 Amendments Report. There are no modifications indicated in the 1990 Staff Report on the Update of Beneficial Uses and Water Quality Objectives

Footnotes:

- A Concentrations of nitrogen and phosphorus, by themselves or in combination with other nutrients, shall be maintained at levels below those which stimulate algae and emergent plant growth. Threshold total Phosphorus (P) concentrations shall not exceed 0.05 mg/l in any stream at the point where it enters any standing body of water, nor 0.025 mg/l in any standing body of water. A desired goal in order to prevent plant nuisances in streams and other flowing waters appears to be 0.1 mg/l total P. These values are not to be exceeded more than 10% of the time, unless studies of the specific water body in question clearly show that water quality objective changes are permissible and changes are approved by the San Diego RWQCB. Analogous threshold values have not been set for nitrogen compounds; however, natural ratios of nitrogen to phosphorus are to be determined by surveillance and monitoring and upheld. If data is lacking, a ratio of N:P = 10:1 shall be used.

11. Wastewater reclamation and reuse projects that will occur in the areas under the terms and conditions of this Order will:

- have maximum benefit to the people of the State, because in the absence of reclaimed wastewater, imported potable water would be used for irrigation of the reclaimed water use areas permitted in this Order;

- not unreasonably affect the beneficial uses of groundwater in the hydrologic areas in which the use of reclaimed water has been permitted; and
  - not cause the groundwater quality objectives of the hydrologic subareas as currently designated or as amended in the proposed SOCRA Basin Plan revisions to be exceeded.
12. On November 5, 1990, San Diego RWQCB Resolution No. 90-61, **A Resolution Amending Resolution No. 90-40 A Regionwide Groundwater Amendment to the Comprehensive Water Quality Control Plan for the San Diego Region**, was adopted. The resolution encourages the use of adequately treated wastewater for irrigation or groundwater recharge in the basin where reuse is clearly beneficial.
13. SOCRA intends to request that the San Diego RWQCB consider a Basin Plan Amendment in the near future. The goal of the proposed amendment will be to simplify and standardize water reclamation efforts within the region for the purposes of irrigation and groundwater recharge, while respecting and promoting domestic and nondomestic beneficial use:

Mapping of each hydrologic subarea will be accomplished according to the amended groundwater objectives in order to identify areas suitable for the use of reclaimed water.

14. The Comprehensive Water Quality Control Plan for the San Diego Basin, Region 9, published in July, 1975, specifically prohibits the following actions:
- Discharge of reclaimed water to a natural watercourse upstream of surface storage or diversion facilities used for municipal supply is prohibited. Discharge of reclaimed water, exclusive of cooling water or other waters which are chemically unchanged, to a watercourse, is prohibited except in cases where the quality of said discharge complies with the receiving body's water quality objectives.
  - Discharging of reclaimed water in such manner or volume as to cause sustained surface flows or ponding on lands not owned or under the control of the user is prohibited except in cases defined in the previous paragraph and in cases in which the responsibility for all downstream adverse effects is accepted by the user.
  - The dumping or deposition of oil, garbage, trash, or other solid municipal, industrial, or agricultural waste directly into inland waters or watercourses or adjacent to the watercourses in any manner which may permit its being washed into the watercourse is prohibited.



- Dumping or deposition of oil, garbage, trash, or other solid municipal, industrial, or agricultural waste into natural or excavated sites below historic water levels or deposition of soluble industrial wastes at any site is prohibited, unless such site has been specifically approved by the San Diego RWQCB for that purpose.
15. This Order prescribes waste discharge requirements and water reclamation requirements for SOCRA governing the production, distribution, use and discharge of reclaimed water within the SOCRA region, which the Regional Board has determined are necessary to protect the public health, safety and welfare pursuant to California Water Code, Division 7, Chapter 7, Sections 13500-13550 ("Water Reclamation Law").. This Order requires that SOCRA ensure compliance by its member agencies, primary users and secondary users with the terms and conditions of this Order. This Order requires that SOCRA establish and enforce minimum rules and regulations governing the production, distribution, and use of reclaimed water within the SOCRA region, which ensure compliance with this Order.
16. The San Diego RWQCB, in establishing the requirements contained herein, considered factors including, but not limited to, the following:
- (a) Beneficial uses to be protected and water quality objectives reasonably required for that purpose;
  - (b) Other waste discharges;
  - (c) The need to prevent nuisance;
  - (d) Past, present, and potential future beneficial uses of the hydrologic units being considered;
  - (e) Environmental conditions of the hydrologic units;
  - (f) Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area;
  - (g) Economic considerations;
  - (h) The need for developing housing within the region;
  - (i) The need for reliable water supplies into the area; and
  - (j) The need to develop and use recycled water.

17. Construction water uses are permitted under San Diego RWQCB Order No. 83-21 provided adequate disinfected secondary effluent is provided.
18. Ocean disposal is permitted via ocean outfall permits for SERRA (Order No. 88-71) and for AWMA (Order No. 90-50) which are not within the authority of SOCRA. This Order does not replace the existing NPDES permits for the treatment and disposal of secondary effluent to the ocean.
19. The reclaimed water produced by the AWT facilities at the MNWD Plant 3A will be seasonally stored at the Upper Oso Reservoir and operationally stored in various operational storage tanks and the Mission Viejo Country Club storage pond.
20. Average monthly TDS concentrations for imported water at the Metropolitan Water District's Diemer Water Treatment Plant (WTP) during 1991 are shown in Table 1-12. The Diemer WTP is the only source of imported domestic water into the SOCRA region, but not the only source of domestic water available within SOCRA. A limited amount of domestic water is available from groundwater wells.

Table 1-12

AVERAGE MONTHLY TDS CONCENTRATIONS  
AT DIEMER WTP

MONTH	PERCENT STATE WATER	TDS CONCENTRATION (mg/l)
JAN 1991	18%	576
FEB 1991	38%	535
MAR 1991	0%	631
APR 1991	0%	630
MAY 1991	8%	601
JUN 1991	23%	576
JUL 1991	20%	586
AUG 1991	3%	627
SEP 1991	0%	642
OCT 1991	12%	614
NOV 1991	7%	623
DEC 1991	0%	657
AVERAGE	16%	608

21. The California Environmental Quality Act (CEQA) requires that state agencies which regulate activities of private individuals, corporations, and public agencies consider potential and significant environmental effects of the proposed activity in their decision making process. Regulations pertaining to the application of CEQA can be found in Title 23 California Code of Regulations (CCR) 2700 (et seq.) and Title 14 CCR 15000 (et seq.) and Public Resources Code Section 21000. Existing permits for the use of reclaimed water in the SOCRA jurisdictional area and their CEQA compliance status are shown below in Table 1-13.

Table 1-13

CEQA COMPLIANCE STATUS OF EXISTING PERMITS

SAN DIEGO RWQCB ORDER NO.	AGENCY	CEQA COMPLIANCE
84-48	SMWD	Impacts identified and mitigated in EIR
86-84	LAWD	Exempt - Sand washing operation
87-19	SMWD	Exempt - Existing facility
87-31	MNWD	Negative declaration
87-43	SCWD	Negative declaration
87-44	TCWD	Exempt - Existing facility
91-50	City of San Clemente	Negative Declaration
91-59	SMWD	Negative Declaration
91-96	SMWD	Negative Declaration
91-72	MNWD	Negative declaration

On September 10, 1992, South Orange County Reclamation Authority approved a Negative Declaration for the use of reclaimed water within the SOCRA jurisdictional area in accordance with the California Environmental Quality Act (Public Resources Code Section 21000, et seq.), after a public hearing was held. The project as approved by SOCRA will not have a significant effect on water quality.

22. On Aug. 27, 1992, SOCRA submitted a complete Report of Waste Discharge (RWD) for the SOCRA Waste Discharge Permit.
23. SOCRA has prepared Rules and Regulations for Nondomestic Water Service that include:

- implementing Title 22, Division 4, Chapter 3, Wastewater Reclamation Criteria, of the California Code of Regulations;
- implementing the State Department of Health Services (DOHS) **Guidelines For Use of Reclaimed Water** and **Guidelines for Use of Reclaimed Water for Construction Purposes**, or measures, acceptable to DOHS, providing equivalent protection of public health;
- authorizing SOCRA, the San Diego RWQCB, the producer, or an authorized representative of these parties, upon presentation of proper credentials, to inspect the facilities of any reclaimed water user to ascertain whether the user is complying with the SOCRA Rules and Regulations for Nondomestic Water Service;
- for written notification, in a timely manner, to the producer or distributor by the reclaimed water user of any material change or proposed change in the character of the use of reclaimed water;
- for submission of a preconstruction report and on-site reclaimed water irrigation plans to the distributor by the reclaimed water user in order to enable the distributor to determine whether the user will be in compliance with SOCRA's Rules and Regulations for Nondomestic Water Service;
- requiring reclaimed water users to designate a reclaimed water supervisor responsible for the reclaimed water system at each use area under the user's control. Reclaimed water supervisors should be responsible for the installation, operation, and maintenance of the irrigation system, enforcement of SOCRA's Rules and Regulations for Nondomestic Water Service, prevention of potential hazards, and maintenance of the reclaimed water distribution system plans in "as built" form;
- authorizing the distributor to cease supplying reclaimed water to any person who uses, transports, or stores such water in violation of SOCRA's Rules and Regulations for Nondomestic Water Service;
- requiring notification and concurrence of the State Department of Health Services and the County of Orange, Health Care Agency, Environmental Health, Water Quality Section of new reclaimed water users;
- requiring all reclaimed water storage facilities owned and/or operated by reclaimed water users to be protected against erosion, overland runoff, and other impacts resulting from a 100-year frequency 24-hour storm;

- requiring all reclaimed water storage facilities owned and/or operated by reclaimed water users to be protected against 100-year frequency peak stream flows as defined by the Orange County flood control agency;
  - for notification to reclaimed water users that the San Diego RWQCB may initiate enforcement action against any reclaimed water user who discharges reclaimed water in violation of any applicable discharge prohibitions prescribed by the San Diego RWQCB or in a manner which creates, or threatens to create conditions of pollution, contamination, or nuisance, as defined in Water Code Section 13050;
  - for notification to reclaimed water users that the San Diego RWQCB may initiate enforcement action against the discharger/producer, which may result in the termination of the reclaimed water supply, if any person uses, transports, or stores such water in violation of SOCRA's Rules and Regulations for Nondomestic Water Service or in a manner which creates, or threatens to create conditions of pollution, contamination, or nuisance, as defined in Water Code Section 13050; and,
  - requiring reclaimed water users to provide upon request, written responses to SOCRA, the San Diego RWQCB, the State Department of Health Service, and the County of Orange, Health Care Agency, Environmental Health, Water Quality Section, requests for information to ascertain whether the reclaimed water user is complying with SOCRA's Rules and Regulations for Nondomestic Water Service.
24. The Regional Board has considered all water resource related environmental factors associated with the proposed discharge of waste.
25. The Regional Board has notified SOCRA, all dischargers whose permits are incorporated under the consolidated SOCRA permit, and all known interested parties of the intent to prescribe waste discharge requirements for the proposed discharge.
26. The Regional Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that SOCRA shall, within the SOCRA jurisdictional area, comply and ensure compliance by its member agencies and their primary and secondary users with the following:

**A. PROHIBITIONS**

1. Discharge of wastes, including windblown spray and runoff of effluent applied for irrigation, to lands which have not been specifically described in the report of waste discharge, and for which valid waste discharge requirements are not in force, are prohibited.
2. Discharge of any radiological, chemical or biological warfare agents, or high-level radiological waste is prohibited.
3. Ponding or surfacing of wastes is prohibited on lands beyond the permitted disposal area.
4. Discharge of reclaimed water shall not:
  - cause the occurrence of coliform or pathogenic organisms in waters pumped from the basin;
  - cause the occurrence of objectionable tastes and odors in waters pumped from the basin;
  - cause waters pumped from the basin to foam;
  - cause the presence of toxic materials in waters pumped from the basin;
  - cause the pH of waters pumped from the basin to fall below 6.0 or rise above 9.0;
  - cause the water quality objectives for the ground or surface waters within the San Juan Hydrologic Unit as established in the Basin Plan, to be exceeded;
  - cause odors, septicity, mosquitos or other vectors, weed growth or other nuisance conditions in any inland watercourse;
  - cause a surface flow recognizable as sewage in any inland watercourse; or
  - cause a pollution, contamination, nuisance, or adversely affect beneficial uses of the ground or surface waters within the San Juan Hydrologic Unit as established in the Basin Plan.

5. A total 30-day average reclaimed water flow volume from the reclamation treatment systems of the member agencies of SOCRA in excess of 58.68 MGD is prohibited unless SOCRA obtains revised waste discharge requirements for the proposed increased flow.
6. SOCRA is authorized, within its service area, to use a total annual reclaimed water flow volume not to exceed 42,380 ac-ft/yr.
7. Odors, vectors, and other nuisances of sewage origin are prohibited outside of the treatment plant sites or disposal areas.
8. Discharge of waste in a manner other than as described in the Findings of this Order is prohibited unless SOCRA obtains revised waste discharge requirements that provide for the proposed change.
9. Discharge of treated or untreated wastewater to any inland water course is prohibited.
10. Disposal of captured Oso Creek Barrier flows shall not cause a violation of water quality objectives.

## B. DISCHARGE SPECIFICATIONS

1. The discharge for landscape irrigation and other land disposal projects of an effluent containing pollutants in excess of the following effluent limitations is prohibited:

Table B-1

### EFFLUENT LIMITATIONS COMMON TO ALL FACILITIES WITHIN THE SOCRA AREA

CONSTITUENT	30-day <sup>1</sup> Avg. (mg/l)	Daily <sup>2</sup> Maximum (mg/l)
Biochemical Oxygen Demand (BOD <sub>5</sub> @ 20°C)	30	45
Total Suspended Solids	30	45
pH (within limits shown at all times)	6.0 - 9.0	6.0 - 9.0
Coliform	*	*
Turbidity	**	**

- 1 The 30-day average effluent limitation shall apply to the arithmetic mean of the results of all samples collected during any 30 consecutive calendar day period.
- 2 The daily maximum effluent limitation shall apply to the results of a single composite or grab sample.
  - \* The median number of coliform organisms shall not exceed 2.2 per 100 milliliters as determined from the bacteriological results of the last 7 days for which analysis have been completed, and the number of coliform organisms shall not exceed 23 per 100 milliliters in any sample.
  - \*\* Not to exceed an average operating turbidity of 2 turbidity units. Not to exceed 5 turbidity units more than 5 percent of the time during any 24-hour period.



## DISCHARGE SPECIFICATIONS (Cont'd)

2. The effluent limitations contained in Table B-2 and Table B-3 apply until such time that the proposed basin plan amendment as described in the Findings of this Order is approved.

Table B-2

INDIVIDUAL EFFLUENT LIMITATIONS  
FOR SPECIFIC FACILITIES WITHIN THE SOCRA AREA

(mg/L or as noted)										
Plant Name <sup>10</sup>	TDS <sup>9</sup>		Chloride		Sulfate		Boron		Fluoride	
	30-Day <sup>1</sup> Avg	Daily <sup>2</sup> Max	30-Day <sup>1</sup> Avg	Daily <sup>2</sup> Max	30-Day <sup>1</sup> Avg	Daily <sup>2</sup> Max	30-Day <sup>1</sup> Avg	Daily <sup>2</sup> Max	30-Day <sup>1</sup> Avg	Daily <sup>2</sup> Max
MNWD Plant 3A <sup>6</sup>	300 <sup>3</sup>	900	250	175 <sup>4</sup>	250	75 <sup>5</sup>	0.5	0.6	1.0	1.2
SMWD Oso Creek WRP	N/A	1,100	N/A	375	N/A	500	N/A	2.0	N/A	2.0
South Coast Water District WRP	1,000	1,100	400	450	500	550	N/A	N/A	N/A	N/A
SMWD Nichols WRF <sup>7</sup>	250 <sup>3</sup>	700	50 <sup>4</sup>	250	50 <sup>5</sup>	250	0.5	0.6	1.0	1.2
TCWD Robinson Ranch WRP	6	6	6	6	6	6	6	6	6	6
MNWD Laguna Niguel Reclamation Project	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SMWD Chiquita WRP <sup>8</sup>	300 <sup>3</sup>	900	200 <sup>4</sup>	250	60 <sup>5</sup>	250	0.5	0.6	1.0	1.2

1 The 30-day average effluent limitation shall apply to the arithmetic mean of the results of all samples collected during any 30 consecutive calendar day period.

2 The daily maximum effluent limitation shall apply to the results of a single composite or grab sample.

3 This is the increment of total dissolved solids in effluent over supply water.

4 This is the increment of chloride in effluent over supply water.

5 This is the increment of sulfate in effluent over supply water.

6 The daily maximum shall not exceed the concentration found in the potable water supplies distributed by the Trabuco Canyon Water District for use in the northern Trabuco area. Compliance with this effluent limitation for any day shall be determined by effluent and potable water supply sampling on the same day.

7 This facility also has a 12-month average effluent limitation for TDS of 225 mg/l increment over the potable water supply.

8 These facilities are under time schedules to comply with the Basin Plan. The effluent limitations listed are interim limits which expire December 31, 1994.

9 Any reclaimed wastewater discharges to HA 1.20 below the Lower Oso Creek Barrier shall comply with the TDS groundwater objective of 500 mg/L.

10 The other production sources listed in Findings, Table 1-5, shall also comply with all groundwater objectives, as currently written or as may be revised.

N/A = Not Applicable

Table B-3

INDIVIDUAL EFFLUENT LIMITATIONS COMMON  
TO ALL FACILITIES WITHIN THE SOCRA AREA

CONSTITUENT	30-day <sup>1</sup> Avg. (mg/l)	Daily <sup>2</sup> Maximum (mg/l)
Percent sodium	60%	65%
Iron	0.3	0.4
Manganese	0.05	0.06
Methylene Blue Active Substances	0.5	0.6

1 The 30-day average effluent limitation shall apply to the arithmetic mean of the results of all samples collected during any 30 consecutive calendar day period.

2 The daily maximum effluent limitation shall apply to the results of a single composite or grab sample.

3. Upon approval of the proposed Basin Plan Amendment as described in the Findings of this Order, all discharges from SOCRA member agencies shall not exceed either 1,200 mg/L TDS, 400 mg/l chloride, and 500 mg/L sulfate or the applicable groundwater objectives for these constituents, whichever is less, as a 12-month average. In addition, the discharges shall not exceed the applicable groundwater objectives for boron, fluoride, percent sodium, iron, manganese, and methylene blue active substances.
4. All water reclamation facilities shall be protected against 100-year peak stream flows as defined by the Orange County flood control agency and shall also be protected from overland runoff and other impacts resulting from a 100-year frequency 24-hour storm. The Upper Oso Reservoir shall be operated to contain 100-year storm and seasonal runoff, prevent seepage into Oso Creek, capture low surface and subsurface flows, and prevent violation of surface and groundwater objectives.
5. Collected screenings, sludges, other solids removed from liquid wastes, and filter backwash shall be disposed in a manner approved by the Executive Officer. Before sludge is disposed of by means other than discharge to a landfill regulated under waste discharge requirements, used or supplied for use by others, the discharger shall submit written notification to the Executive Officer of the proposed disposal method or use. Such disposal, use or supply for use by others shall not be initiated until approved by the Executive Officer.

## DISCHARGE SPECIFICATIONS (Cont'd)

6. Effluent used for irrigation purposes shall conform with all applicable provisions of California Code of Regulations, Title 22, Division 4, Chapter 3 (Reclamation Criteria) for irrigation of parks, playgrounds, schoolyards, and other areas where the public has similar access or exposure (currently Sections 60313(b) and 60320.5).
7. Effluent storage facilities shall be designed, constructed, operated, and maintained so as to prevent surfacing of wastes on property not owned or controlled by the facility owner or operator. Surface runoff of any wastes which surface on property owned or controlled by the owner or operator onto property not owned or controlled by the owner or operator shall be prevented.
8. All reclaimed water discharged into SOCRA common facilities under the conditions of this Order shall meet the quality and level of treatment required for Disinfected Tertiary Reclaimed Water as stated in California Administrative Code, Title 22, Division 4, Chapter 3, Statewide Reclamation Criteria, Article 2, latest revision.

Other levels of treatment for production, distribution, and use of reclaimed water must comply with the State Department of Health Services reclamation criteria consistent with the intended use.

9. The producers shall meet the design, operational, and reliability requirements of Articles 7, 8, 9 and 10 of the California Code of Regulations, Title 22, Division 4, Chapter 3.
10. Effluent used for groundwater recharge shall comply with current Basin Plan objectives or as they may be amended, shall comply with applicable provisions of California Code of Regulations, Title 22, latest revision, and shall comply with the applicable requirements of the State Department of Health and Welfare.

## C. PROVISIONS

1. As a part of the FY 1992/93 Waste Discharge Order Update Program, the Orders listed below in Table C-1 have been reviewed by Regional Board staff in accordance with criteria established in the Administrative Procedures Manual adopted by the State Water Resources Control Board. As a result of this review, staff has determined no major modifications need to be incorporated into those Orders. These WDRs consolidate those orders into one document. The requirements of this Order hereby supersede the waste discharge requirements prescribed by the following Orders shown in Table C-1, and these Orders are hereby rescinded when this Order becomes effective:

Table C-1

### SAN DIEGO RWQCB RESCINDED ORDERS

ORDER NO.	AGENCY	TYPE OF ORDER		RECLAIMED WATER USER
		PRODUCTION	DISCHARGE	
84-53	SCWD		X	Capistrano Unified School District
84-54	SCWD		X	Orange County - Harbors, Parks & Beaches
84-55	SCWD		X	Niguel Shores Community Association
84-56	SCWD		X	AVCO Community Developers, Inc.
84-57	SCWD		X	Emerald Ridge Homeowners Association
84-58	SCWD		X	Aliso Creek (Ben Brown) Golf Course
84-59	SCWD		X	Capistrano Bay Park & Recreational District
85-39	MNWD		X	El Niguel Country Club
86-82	MNWD		X	Mission Viejo Country Club
86-84	LAWD		X	El Toro Material Company
87-19	SMWD	X	X	Various
87-20	SMWD		X	Caltrans
87-21	SMWD		X	Pacific Coast Property
87-22	SMWD		X	Key Pacific Property Management
87-24	SMWD		X	Lake Association
87-26	SMWD		X	Sea Breeze Management Co.
87-28	SMWD		X	Mission Viejo Co.
87-29	SMWD		X	Mallorca Association

87-31	MNWD	X	X	El Niguel Country Club
87-43	SCWD	X	X	Various
87-44	TCWD	X	X	Various
89-58	TCWD		X	Dove Canyon Golf Course
91-59	SMWD	X	X	Various
91-72	MNWD	X	X	Various
91-96	SMWD	X	X	Nichols Institute

2. Neither the treatment, storage, delivery, nor discharge of waste shall create a pollution, contamination, or nuisance, as defined by Section 13050 of the California Water Code.
3. SOCRA shall ensure that its member agencies and their primary and secondary users comply with all applicable conditions of this Order, as well as previously issued Orders which remain valid for individual distributors and users. Any noncompliance with this Order, or other existing Orders is grounds for:
  - enforcement action;
  - termination, revocation and reissuance, or modification of the Order for which a noncompliance has occurred; or
  - denial of a report of waste discharge in application for new or revised waste discharge requirements.
4. In an enforcement action, it shall not be a defense for a producer or distributor that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of the treatment facility, the producer or distributor shall, to the extent necessary to maintain compliance with this Order, control production or all discharges, or both, until the facility is restored or an alternative method of treatment is provided. This provision applies for example, when the primary source of power of the treatment facility fails, is reduced, or is lost.
5. SOCRA shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.
6. SOCRA shall ensure that all facilities and systems of treatment, distribution, and control (and related appurtenances) which are installed or used

to achieve compliance with conditions of this Order are at all times properly operated and maintained. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup and auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Order.

7. This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to:

- violation of any terms or conditions of this Order;
- obtaining this Order by misrepresentation or failure to disclose fully all relevant facts; or
- a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

The filing of a request by SOCRA for the modification, revocation and reissuance, or termination of this Order, or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.

8. This Order is not transferrable to any person except after notice to the Executive Officer. The Regional Board may require modification or revocation and reissuance of this Order to change the name of the discharger and incorporate such other requirements as may be necessary under the California Water Code. The discharger shall submit notice of any proposed transfer of this Order's responsibility and coverage to a new discharger as described under Reporting Requirement E.3.

9. This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect SOCRA from liability under federal, state, or local laws, nor create a vested right for SOCRA to continue the waste discharge.

10. SOCRA shall ensure that the San Diego RWQCB, or an authorized representative, or any representative of the United States Environmental Protection Agency, the State Department of Health Service, or the County of Orange, Health Care Agency, Environmental Health, Water Quality Section, upon the presentation of proper credentials and other documents as may be required by law, may:

- enter upon any premises where a regulated facility or activity is located, or where records must be kept under the conditions of this Order;
- have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;
- inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
- sample or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at any location.

SOCRA shall provide written responses to requests by the San Diego RWQCB, the United States Environmental Protection Agency, the State Department of Health Service, and the County of Orange, Health Care Agency, Environmental Health, Water Quality Section, for any information relating to this Order or the San Diego RWQCB's responsibility under the Water Code.

11. Wastewater treatment facilities regulated under this Order shall be supervised and operated by persons possessing certificates of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23 of the California Code of Regulations.
12. A copy of this Order shall be maintained and posted at a prominent location at or near each treatment and disposal facility subject to this Order, and shall be available to operating personnel at all times.
13. The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.
14. The potable water supply shall not be used to supplement the reclaimed water supply except through an approved air gap. In other areas where the potable water supply is piped to premises where sewage is pumped, treated, or reclaimed (i.e., sewage treatment plants or pumping stations, golf course, etc.) the potable water supply shall be protected at the property line in accordance with the State Department of Health Services' **Regulations Relating to Cross-Connections**.

15. The following Basin Plan Amendment Time Schedule is part of the Santa Margarita Water District, Chiquita WRP and the Moulton Niguel Water District, Plant 3A waste discharge requirements. If SOCRA submits a Basin Plan Amendment request, HAs 1.20 and 1.30 will likely be included. SMWD and MNWD shall complete the following tasks and submit a compliance report for each task in accordance with the following time schedule:

i. Basin Plan Amendment Time Schedule

TASK	REPORT SUBMITTAL DATE
(a) Initiate Mission Viejo ground water Basin study.	December 31, 1992
(b) Submit progress report on San Juan ground water Basin study.	February 28, 1993
(c) Submit technical report requesting a Basin Plan Amendment for the San Juan Basin.	May 31, 1993
(d) Achieve compliance with Basin Plan or terminate discharge into HA 1.20.	December 31, 1994

- ii. The technical report requesting a basin plan amendment in Task i.c. above shall contain the following information:

a. Identification of area for which changes area requested

The boundaries of the area should be described and also shown on a topographic map. Boundaries should be selected that are readily discernible and permanent.

b. Description of land uses in area for which changes are requested

Past, present, and projected future land uses should be described. The appropriate land use planning agencies should be consulted.



c. Description of beneficial uses of ground waters in areas for which changes are requested

Past and present beneficial uses should be described and quantified. Future beneficial uses should be projected taking into account ground water quality, impacts of land use patterns, and waste management practices on ground water quality, basin or areal ground water yield, future plans of appropriate water purveyors, and public agencies and economic considerations.

d. Description of ground water quality

Historic and present ground water quality should be described. Future ground water quality should be estimated taking into account land use patterns and potential waste management practices.

e. Description of requested changes

Requested changes to the beneficial use designations and water quality objectives should be clearly described.

f. Demonstration of consistency between the requested changes and the State Board Resolution No. 68-16

A copy of State Board Resolution No. 68-16 is enclosed. A demonstration of consistency between the requested changes and the Nondegradation Policy is necessary when the requested changes would result in lowering of ground water quality. The demonstration must include an assessment of the impacts of the requested modifications. The assessment of the benefits of the requested modifications must, as a minimum, be based on the following: (1) Identification of affected populations and evaluations of hardship vs. benefits for each group (2) evaluation of economic benefit vs. detriment; and (3) evaluation of social benefit vs. detriment.

g. Environmental assessment

The environmental impacts of the requested changes should be identified in a manner consistent with the requirements of the California Environmental Quality Act.

16. All wastewater treatment and disposal facilities shall be completely constructed and operable prior to the initiation of any reclaimed water use, and the completed facilities shall have adequate capacity for the

full design flow. A report from a design engineer identifying the design capacity of the treatment facility and certifying the adequacy of each component of each treatment and disposal facility shall be submitted by the facility owner or operator prior to commencement of the irrigation. The certification report shall contain a requirement-by-requirement analysis based on acceptable engineering practices, of how the process and physical designs of the facilities will ensure compliance with the waste discharge requirements. The design engineer shall affix his signature and engineering license number to the certification report and should submit it prior to beginning construction of the facilities. The reclaimed water use shall not be initiated until:

- the certification report is received by the Executive Officer through SOCRA;
  - the Executive Officer has been notified of the completion of facilities by SOCRA;
  - an inspection of the facilities has been made by staff of SOCRA; and
  - the facility owner or operator has been notified by letter from SOCRA that the reclaimed water use can be initiated.
17. If a distributor is supplying reclaimed water for use by other parties, the distributor shall meter the quantities of reclaimed water delivered to each end-user and bill each end-user accordingly. The distributor shall maintain comprehensive accounting records showing the water quality and volume of reclaimed water processed, distributed and discharged to its own facilities and facilities of other parties. Copies of these records shall be maintained at SOCRA.
18. The distributor shall inspect all sites proposed for the use of reclaimed water for irrigation to insure that those sites comply with all applicable rules and regulations for the application of reclaimed water. The standards set forth in the SOCRA Rules and Regulations for Nondomestic Water Service are considered to be minimum rules and regulations which must be followed in the use of reclaimed water.
19. Reclaimed water use shall be in conformance with **Guidelines for Use of Reclaimed Water for Irrigation and Impoundments** and **Guidelines for Worker Protection at Water Reclamation Use Areas** prepared by the State Department of Health Services.

D. RECLAIMED WATER USE PROVISIONS

1. SOCRA shall ensure that any reclaimed water producers within its jurisdictional area shall establish new, or have existing, **Rules and Regulations for Reclaimed Water Users** governing the design and construction of reclaimed water use facilities and the use of reclaimed water. The rules and regulations shall be developed in conformance with **Guidelines for Use of Reclaimed Water for Irrigation and Impoundments** and **Guidelines for Worker Protection at Water Reclamation Use Areas** prepared by the State Department of Health Services.

The rules and regulations shall be subject to the approval of SOCRA, the State Department of Health Services, and the County of Orange, Health Care Agency, Environmental Health, Water Quality Section, and the Executive Officer. SOCRA shall ensure that the approved rules and regulations are implemented and enforced with respect to the reclaimed water users.

2. SOCRA shall require reclaimed water distributors, within 90 days of the adoption of this Order, to develop and submit to SOCRA a program to conduct compliance inspections of reclaimed water reuse sites to determine the status of compliance with the approved SOCRA Rules and Regulations for Nondomestic Water Service. The distributors shall implement the inspection program upon its approval by SOCRA.
3. Reclaimed water shall not be supplied to parties who use, transport, or store such water in a manner which causes a pollution, contamination or nuisance, as defined by Section 13050 of the California Water Code.
4. SOCRA shall ensure that users of reclaimed water designate a reclaimed water supervisor responsible for the reclaimed water system at each use area under the user's control. Reclaimed water supervisors should be responsible for the installation, operation, and maintenance of the irrigation system, as well as enforcement of rules and regulations, prevention of potential hazards, and maintenance of the distribution system plans in "as built" form.
5. Prior to using reclaimed water or supplying reclaimed water for use by other parties in any manner or in any area other than as described in the Findings of this Order, SOCRA shall obtain an amendment to this Order.
6. All use of reclaimed water shall be in accord with the operational plan for the use of reclaimed water submitted by the user and approved by SOCRA.

## E. REPORTING REQUIREMENTS

1. SOCRA shall file a new Report of Waste Discharge at least 120 days prior to the following:
  - Addition of a major industrial waste discharge to a discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the wastes. A change in the character of the wastes includes the addition of pollutants not previously present in the waste stream, or an increase of 25% or greater of the flow volume or concentration of any previously permitted pollutant.
  - Significant change in the treatment or disposal method (e.g., change in the method of treatment which would significantly alter the nature of the waste.)
  - Change in the disposal area for any waste product other than reclaimed water from that described in the Findings of this Order.
  - Increase in proposed volume of use for each hydrologic area or all of SOCRA beyond that specified in Findings, Table 1-7.
  - Increase in proposed waste discharge flow total beyond that specified in Findings, Table 1-5.
  - Other circumstances which result in a material change in character, amount, or location of the waste discharge.
  - Any planned change in the regulated facility or activity which may result in noncompliance with this Order.
  - Any other significant planned physical alterations or additions to the permitted facility.
2. The distributor shall furnish to SOCRA to be forwarded to the Executive Officer, within a reasonable time, any information which the Executive Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating Order. SOCRA shall also furnish to the Executive Officer through SOCRA, upon request, copies of records required to be kept by this Order.
3. SOCRA must notify the San Diego RWQCB in writing at least 30 days in advance of any proposed transfer of their responsibility and coverage to a new discharger. The notice must include a written agreement between

## REPORTING REQUIREMENTS (Cont'd)

the existing and new dischargers containing a specific date for the transfer of this Order's responsibility and coverage between SOCRA and the new distributor. This agreement shall include an acknowledgement that SOCRA is liable for violations up to the transfer date and that the new distributor is liable from the transfer date on.

4. Distributors shall comply with the attached Monitoring and Reporting Program No. 92-67, and future revisions thereto as specified by the Executive Officer. Monitoring results shall be reported to SOCRA at the intervals specified in Monitoring and Reporting Program No. 92-67. Any increase in the maximum waste discharge flow specified for each reclaimed water production facility in Findings, Table 1-5, and/or increase in the volume of use specified for each agency in Table 1-6, other than increases requiring a new report of waste discharge, shall be included in SOCRA's summary data. SOCRA shall submit monitoring results and summary data quarterly to the San Diego RWQCB.
5. If a need for a discharge bypass is known in advance, the producer or distributor shall submit prior notice to SOCRA and, if at all possible, such notice shall be submitted at least 10 days prior to the date of the bypass. Discharge bypasses must be reported to the San Diego RWQCB by SOCRA.
6. Where SOCRA becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information in a Report of Waste Discharge, or in any report to the San Diego RWQCB, it shall promptly submit such facts or information to the San Diego RWQCB.
7. SOCRA shall report any noncompliance which may endanger health or the environment. Any such information shall be provided orally to the San Diego RWQCB within 24 hours from the time SOCRA becomes aware of the circumstances. A written submission shall also be provided within five days of the time SOCRA becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The San Diego RWQCB, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The Executive Officer shall be informed by the SOCRA of all such notifications and of the resultant actions taken. The following occurrence(s) must be reported to the San Diego RWQCB within 24 hours:
  - Any bypass from any portion of the treatment facility.

## REPORTING REQUIREMENTS (Cont'd)

- Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge, or any other circumstances.
  - Any treatment plant upset which causes the effluent limitations of this Order to be exceeded.
8. All existing facilities' owners or operators shall submit facility operations manuals within 90 days of the adoption of this Order. New facilities' owners or operators shall submit facility operations manuals prior to the discharge of reclaimed water.
9. Beginning September 21, 1993, SOCRA shall submit an annual report which will:
- (a) Review water quality data to access the increments over supply water of TDS, chlorides, and sulfates in the effluent of member agencies to determine if such increments are consistent with Regional Board Resolution No. 90-61; and,
  - (b) If any increment is inconsistent, develop a plan to identify the reasons for the high levels and describe the measures which will be taken to control the sources.

As noted in Wastewater Engineering: Treatment/Disposal/Reuse by Metcalf and Eddy, Inc., second edition, the constituent concentration range as listed in Table 3-7, 'Typical mineral pickup from domestic water use' is as follows:

TDS = 150 - 400 mg/L

Cl<sub>2</sub> = 20 - 50 mg/L (amount of increase over supply water, excluding the addition from domestic water softeners)

SO<sub>4</sub> = 15 - 30 mg/L

10. The use of reclaimed water in the areas authorized under this Order shall conform in all respects to any applicable requirements contained in California Administrative Code, Title 22, Chapter 3, Division 4 of 22 CCR (Statewide Reclamation Criteria), latest revision.
11. The use of reclaimed water in the areas authorized under this Order shall conform in all respects to all applicable requirements in CCR 17, latest revision, governing the use of reclaimed water.
12. All applications, reports, or information submitted to the San Diego RWQCB shall be signed and certified as follows:

## REPORTING REQUIREMENTS (Cont'd)

(a) The Report of Waste Discharge shall be signed as follows:

- For a corporation - by a principal executive officer of at least the level of vice-president.
- For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
- For a municipality, state, federal, or other public agency - by either a principal executive officer or ranking elected official.

(b) All other reports required by this Order and other information required by the San Diego RWQCB shall be signed by a person designated in paragraph E.8.(a) of this Order, or by a duly authorized representative of that person. An individual is a duly authorized representative only if:

- written authorization is made by a person described in paragraph E.8.(a) of this Order;
- the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or well field, superintendent, or a position of equivalent responsibility (a duly authorized representative may thus be either a named individual or any individual occupying a named position); and
- written authorization is submitted to SOCRA.

(c) Any person signing a document under this Section shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

13. The distributor shall submit reports required under this Order, or other information required by the Executive Officer, to SOCRA, whose current address is:

South Orange County Reclamation Authority

25411 Cabot Road, Suite 209  
Laguna Hills, CA 92653

All distributors shall be informed of any future change of address by SOCRA.

14. SOCRA shall submit quarterly summary and monitoring reports to the San Diego RWQCB, whose current address is:

Executive Officer  
California Regional Water Quality Control Board  
San Diego Region  
9771 Clairemont Mesa Blvd, Suite B  
San Diego, California 92124-1331

SOCRA shall be informed of any future change of address by the San Diego RWQCB.

15. For any future treatment plant modifications to increase reclaimed water capacity production, the facility owner or operator shall develop an engineering report conforming to Section 60323, Article 7 of the California Code of Regulations, Title 22, Division 4, Chapter 3. The engineering report shall be submitted to the State Department of Health Services, County Department of Health Services, San Diego RWQCB Executive Officer, and SOCRA. Reclaimed water shall not be used for irrigation until the engineering report is approved by SOCRA.
16. Santa Margarita Water District shall report the volume of groundwater and surface water captured at the Upper Oso Creek Barrier and the method of disposal of these waters shall be determined daily and reported monthly to SOCRA. Water samples shall be analyzed and reported monthly.



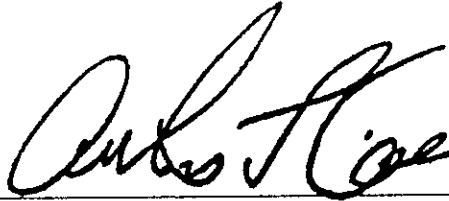
**F. NOTIFICATIONS**

1. California Water Code Section 13263(g) states:

"No discharge of waste into waters of the State, whether or not such discharge is made pursuant to waste discharge requirements, shall create a vested right to continue such discharge. All discharges of waste into waters of the State are privileges, not rights."

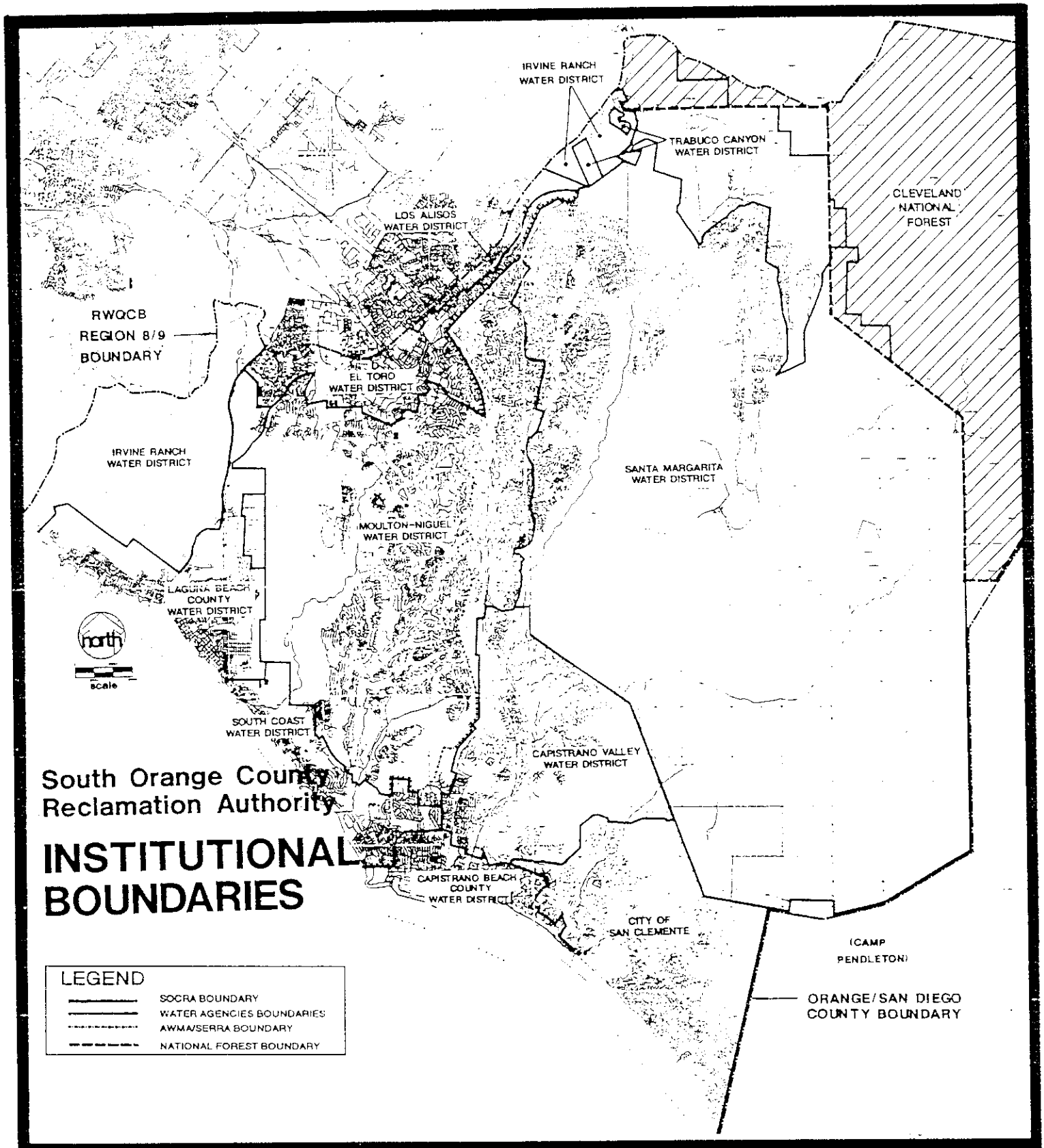
2. These requirements have not been officially reviewed by the United States Environmental Protection Agency and are not issued pursuant to Section 402 of the Clean Water Act.
3. The California Water Code provides that any person who intentionally or negligently violates any waste discharge requirements issued, reissued, or amended by this San Diego RWQCB is subject to a civil monetary remedy of up to twenty (20) dollars per gallon of waste discharged, or if a cleanup and abatement order is issued, up to fifteen-thousand (15,000) dollars per day of violation, or some combination thereof.
4. The California Water Code provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or falsifying any information provided in the monitoring reports, is guilty of a misdemeanor.
5. Nothing in this Order shall be construed to preclude the institution of any legal action or relieve SOCRA from any responsibilities, liabilities, or penalties to which SOCRA is, or may be, subject to under Section 311 of the Clean Water Act.
6. Nothing in this Order shall be construed to preclude the institution of any legal action or relieve SOCRA from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Clean Water Act.
7. This Order becomes effective on the date of adoption by the San Diego RWQCB.

I, Arthur L. Coe, Executive Officer, do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region on September 21, 1992.



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# SOCRA INSTITUTIONAL BOUNDARIES





**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN DIEGO REGION**

**MONITORING AND REPORTING PROGRAM NO. 92-67**

**SOUTH ORANGE COUNTY RECLAMATION AUTHORITY,  
ORANGE COUNTY  
CONSOLIDATION OF REQUIREMENTS**

**A. MONITORING PROVISIONS**

1. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this permit, and unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the regional board Executive Officer.
2. Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than  $\pm 5$  percent from true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration, and operation of acceptable flow measurement devices can be obtained from the following references:
  - "A Guide to Methods and Standards for the Measurement of Water Flow," U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 421, May 1975, 97 pp. (Available from the U.S. Government Printing Office, Washington D.C. 20402. Order by SD Catalog No. C13.10:421.)
  - "Water Measurement Manual," U.S. Department of Interior, Bureau of Reclamation, Second Edition, Revised Reprint, 1974, 327 pp. (Available from the U.S. Government Printing Office, Washington D.C. 20402. Order by Catalog No. 127, 19/2:-W29/2, Stock No. S/N 24003-0027.)

- "Flow Measurement in Open Channels and Closed Conduits," U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 484, October 1977, 982 pp. (Available in paper copy or microfiche from National Technical Information Service (NTIS) Springfield, VA 22151. Order by NTIS No. PB-273-535/5ST.)
  - "NPDES Compliance Sampling Manual," U.S. Environmental Protection Agency, Office of Water Enforcement. Publication MCD-51, 1977, 140 pp. (Available from the General Services Administration (8FFS), Centralized Mailing Lists Services, Building 41, Denver Federal Center, Denver, CO 80225.)
3. Monitoring must be conducted according to United States Environmental Protection Agency test procedures approved under Title 40, Code of Federal Regulations (CFR), Part 136, "Guidelines Establishing Test Procedures for Analysis of Pollutants Under the Clean Water Act" as amended, unless other test procedures have been specified in this Order.
  4. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by the San Diego RWQCB.
  5. Monitoring results must be reported on discharge monitoring report forms approved by SOCRA and the San Diego RWQCB.
  6. If SOCRA monitors any pollutants more frequently than required by this Order, using test procedures approved under 40 CFR, Part 136, or as specified in this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in SOCRA's monitoring report. The increased frequency of monitoring shall also be reported.
  7. SOCRA shall retain records of all monitoring information, including all calibration and maintenance records and copies or originals of all strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Order, and records of all data used to complete applications required by this Order. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by SOCRA or the Executive Officer.

8. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the individual(s) who performed the sampling or measurements;
  - the date(s) analyses were performed;
  - the individual(s) who performed the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.
9. All monitoring instruments and devices which are used by the producer or distributor to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy.
10. SOCRA shall include in the monitoring report all instances of noncompliance. The reports shall contain the information listed in Reporting Requirement E.7 of this Order.
11. The monitoring reports shall be signed by an authorized person as required by Reporting Requirements E.12 of this Order.
12. A composite sample is defined as a combination of at least eight sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period. For volatile pollutants, aliquots must be combined in the laboratory immediately before analysis. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically.
13. A grab sample is an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes.
14. Sampling and analysis shall, as a minimum, be conducted in accordance with Article 6 of California Code of Regulations, Title 22, Division 4, Chapter 3 (Reclamation Criteria).

## B. EFFLUENT MONITORING

The following shall constitute the effluent monitoring program for all water reclamation activities within the SOCRA jurisdictional area:

Table B-1

### EFFLUENT MONITORING FREQUENCIES

DETERMINATION	UNIT	SAMPLE TYPE	SAMPLING FREQUENCY	REPORTING FREQUENCY <sup>1</sup>
Flowrate	MGD	Continuous	Continuous	Monthly <sup>2</sup>
Biochemical Oxygen Demand (5-Day @ 20 <sup>o</sup> C)	mg/l	Composite	Daily	Monthly
Total Suspended Solids	mg/l	Composite	Daily	Monthly
Volatile Suspended Solids	mg/l	Composite	Daily	Monthly
pH	Unit	Composite	Daily	Monthly
Total Dissolved Solids	mg/l	Composite	2X/month	Monthly
Chloride	mg/l	Composite	2X/month	Monthly
Percent Sodium	%	Composite	2X/month	Monthly
Sulfate	mg/l	Composite	2X/month	Monthly
Iron	mg/l	Composite	2X/month	Monthly
Manganese	mg/l	Composite	2X/month	Monthly
Methylene Blue Active Substances	mg/l	Composite	2X/month	Monthly
Boron	mg/l	Composite	2X/month	Monthly
Fluoride	mg/l	Composite	2X/month	Monthly
Aluminum	mg/l	Composite	Semiannual	Semiannual
Arsenic	mg/l	Composite	Semiannual	Semiannual
Barium	mg/l	Composite	Semiannual	Semiannual
Cadmium	mg/l	Composite	Semiannual	Semiannual
Chromium	mg/l	Composite	Semiannual	Semiannual
Copper	mg/l	Composite	Semiannual	Semiannual
Lead	mg/l	Composite	Semiannual	Semiannual
Mercury	mg/l	Composite	Semiannual	Semiannual
Selenium	mg/l	Composite	Semiannual	Semiannual
Silver	mg/l	Composite	Semiannual	Semiannual
Zinc	mg/l	Composite	Semiannual	Semiannual
Coliform	MPN/100 ml	Grab	*	Monthly
Turbidity	NTU	Continuous	**	Monthly

<sup>1</sup> Prior to commencement of the discharge and during periods when no discharge is occurring, the discharger shall submit a brief report in the monitoring report describing the status of the operation.

<sup>2</sup> Flowrate shall be representative of the flow discharged from the Title 22 facility.

\* Samples for coliform bacteria shall be collected at least daily and at a time when waste water characteristics are most demanding on the treatment facilities and disinfection procedures.

\*\* Turbidity analysis shall be performed by a continuous recording turbidimeter.

Note: MGD = million gallons per day

mg/l = milligrams per liter

MPN/ 100 ml = Most Probable Number per 100 milliliters



2. Groundwater levels shall be measured at least semi-annually to monitor the basin storage. Level reporting shall be made during the constituent sampling episodes in section D above.
3. The method of sample collection and a demonstration that the sample is representative of groundwater conditions shall be included with each report.

**E. RECLAIMED WATER USERS SUMMARY REPORT**

A reclaimed water users summary report shall be submitted monthly to the San Diego RWQCB by SOCBRA containing the following information:

1. Reclaimed water use site summary information
- The following information shall be submitted for each reclaimed water use site:

- Name of the reclaimed water use site
  - Owner of the reclaimed water use facility
  - Name of the reclaimed water use supervisor
  - Address of the reclaimed water use supervisor
  - Phone number of the reclaimed water use supervisor
  - Mailing address of the reclaimed water use supervisor, if different from site address
  - Basin Plan name and number of hydrologic subarea underlying the reclaimed water use site
  - Volume of reclaimed water delivered to the reclaimed water use site on a monthly basis
  - Title 22 level of treated waste water approved by the Department of Health Services delivered to the reclaimed water use site.
2. Reclaimed water use summary information

C. POTABLE WATER MONITORING

Examination of the potable waters supplied to the service area of the waste water treatment facilities shall be conducted for the following constituents quarterly with the results reported monthly.

Table C-1

POTABLE WATER CONSTITUENTS

CONSTITUENT		UNIT	
Total Dissolved Solids		mg/l	
Chloride		mg/l	
Sulfate		mg/l	

D. GROUNDWATER MONITORING

1. Representative samples of the groundwater from monitoring wells shall be collected quarterly and analyzed for the following constituents with results reported by January 1, April 1, July 1, and October 1 as shown in Table 4-1.

Table D-1

GROUNDWATER MONITORING

CONSTITUENT		FREQUENCY	
Total Dissolved Solids		Quarterly	
Chloride		Quarterly	
Sulfate		Quarterly	
Sodium		Quarterly	
Fluoride		Quarterly	
Boron		Quarterly	
Nitrate		Quarterly	
Total Phosphate		Quarterly	

The monitoring well locations shall be approved by the Executive Officer or designated representative.

- Total volume of reclaimed water supplied to all reclaimed water users for each month of the reporting period.
- Total number of reclaimed water use sites.

3. Reclaimed water use site inspections

Number of reclaimed water use site inspections conducted by discharger/producer staff and identification of sites inspected for the reporting period.

4. Reclaimed water user violations of the SOCRA Rules and Regulations for Nondomestic Water Service

SOCRA shall identify all reclaimed water users known by SOCRA to be in violation of SOCRA's Rules and Regulations for Nondomestic Water Service. The report shall include a description of the noncompliance and its cause, including the period of noncompliance, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

**F. SEWAGE SOLIDS**

A log of the type, quantity, manner of disposal, and disposal location of solids removed in the course of sewage treatment shall be maintained by the producer and submitted monthly to SOCRA.

## G. REPORTING

Monitoring reports and reclaimed water users summary reports shall be submitted to SOCRA in accordance with the following schedule, as shown in Table G-1:

Table G-1

### REPORTING FREQUENCY


REPORTING FREQUENCY	REPORT PERIOD	REPORT DUE
Monthly	January, February, March, April, May, June, July, August, September, October, November, December	By the 30th day of the following month
Quarterly	January - March April - June July - September October - December	April 30 July 30 October 30 January 30
Semiannually	January - June July - December	July 30 January 30

Monitoring reports and reclaimed water users summary reports shall be submitted to:

South Orange County Reclamation Authority  
25411 Cabot Road, Suite 209  
Laguna Hills, CA 92653

Quarterly summary reports and accumulated monthly reports shall be submitted by SOCRA within 60 days of the end of the previous quarterly reporting period to:

Executive Officer  
California Regional Water Quality Control Board  
San Diego Region  
9771 Clairemont Mesa Blvd., Suite B  
San Diego, California 92124-1331

A handwritten signature in black ink, appearing to read "Arthur L. Coe", written over a horizontal line.

Ordered By: \_\_\_\_\_

Arthur L. Coe  
Executive Officer  
September 21, 1992

